

Safety data sheet for chemical products

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: UM-153 White [uni-ball Signo]

JAPAN

Manufacture's name : MITSUBISHI PENCIL CO.,LTD.
 Address : 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN
 Telephone number : 03-3458-6281 Telefax number : 03-3450-0363

AUSTRALIA

Australian importer : Mitsubishi Pencil Australia
 ABN : 31 085 515 671
 Address : 674 Lorimar Street, Port Melbourne VIC 3207
 Telephone Number : 03 9646 5630
 Emergency Telephone Number: 03 9646 5630
 (Monday to Friday 9:00am - 5.00pm, general information only)

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

No hazardous product as specified in Directive 67/548/EEC or 1999/45/EC

Label elements : -

Other hazards : Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The chemical product is a substance or a mixture : Mixture

Chemical nature:

Component parts : Ink

Chemical or generic name	CAS No.	TSCA	EINECSNo.	Concentration range (wt%)
Water	7732-18-5	Registered	2317912	30- 50
Titanium dioxide	13463-67-7	Registered	2366755	10- 30
Additives	Registered	Registered	Polymer Registered	10- 30
Resin	Registered	Registered	Registered	< 10
Triethanolamine	102-71-6	Registered	2030498	< 10

Other parts : Other parts are excluded from 'chemical substances'.

4. FIRST-AID MEASURES

Inhalation:

Not applicable.

(Due to its low vapor pressure. Inhalation is unlikely at room temperature.)

Skin contact:

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye contact:

Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion:

If swallowed, seek medical advice, and show the MSDS to the physician then.

[Ink quantity of refill : about 1.1g]

5. FIRE-FIGHTING MEASURES

Fire and explosion measures : Slight fire hazard.

Extinguishing media:

Suitable : regular dry chemical, carbon dioxide, water, regular foam.

Large fires : Use regular foam or flood with fine water spray.

Fire fighting

: The Products is no flammable.

Use extinguishing agents appropriate for surrounding fire.

Avoid inhalation of material or combustion by-products.

Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Not available.

Environmental precautions : Do not wash away into shower or water way.

Methods for cleaning up : Wipe off by dry cloth and wash with water.

: In accordance with national, state and local regulations.

7. HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards.

Keep separated from incompatible substances.

Handling:

Technical measures : Don't swallow ink.

: Recap after use.

: Don't shake.

: Keep out of the reach of infants.

: Avoid contact with skin and eyes.

Precautions : Not available.

Safe handling advice : Not available.

Storage:

Technical measures : Keep away from oxidizing materials, ignition sources and high temperature.

Storage condition	: Avoid direct sunlight.
	: Do not leave the products in high temperature space.
	: Recommended temperature: 0-30 C.
Incompatible products	: Not available.
Packaging materials	: Not applicable.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures : Not required.

Control parameters (Information of components.)

OSHA	15mg/m3 TWA (Total dust)	Titanium dioxide
ACGIH	10mg/m3 TWA	Titanium dioxide
	15mg/m3 (Total dust)	Additive
	5mg/m3 TWA	Triethanolamine
EC	6mg/m3	Titanium dioxide

Personal protective equipment : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

[] : Information of components.

Physical state and form	: Liquid.
Color	: White.
Odor	: None odor.
pH	: about 8.7
Boiling point	: Not available. [Water/ 100 C]
Melting point	: <-10 C
Flash point	: Not applicable.
Autoignition temperature	: Not applicable.
Explosion limits	: Not applicable.
Density	: about 1.3 / 25 C
Vapor density (air=1)	: Not available.
Solubility in water	: Soluble.
Evaporation rate	: Not available.
Volatile	: 49-52%

10. STABILITY AND REACTIVITY

Stability : Stability.

Hazardous reactions : Will not occur.

Conditions to avoid : Avoid heat, flames, sparks and other sources of ignition.
Avoid contact with incompatible materials.

Materials to avoid : Not available.

Hazardous decomposition products : Not available.

11. TOXICOLOGICAL INFORMATION

(Information of components)

Acute toxicity

Ingestion LD50	>24000mg/kg-Rat 2200mg/kg-Rabbit, 5846mg/kg-Mouse	Titanium dioxide Triethanolamine
Inhalation LC50	6820mg/m ³ -4H-Rat	Titanium dioxide
Skin LD50	>16mL/kg-Rat	Triethanolamine

Local effects

dehydration
Irritant; skin, eye
Additive
Triethanolamine

Chronic toxicity and long term toxicity

Repeated or prolonged contact may cause skin sensitization. Triethanolamine

Signs and Symptoms of overexposure and aggravated by exposure

Inhalation	irritation, cough irritation, headache irritation sore throat, difficulty breathing	Titanium dioxide Resin Additive Triethanolamine
Skin contact	irritation irritation, redness	Resin / Additive Triethanolamine
Eye contact	irritation, redness irritation irritation, corneal swelling	Titanium dioxide Resin / Additive Triethanolamine
Ingestion	physiologically inert, intestinal obstruction burns, gastrointestinal irritation	Titanium dioxide Triethanolamine

Specific effects

IARC Group 2B
IARC Group 3
Titanium dioxide
Triethanolamine

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Waste from residues : Disposal in accordance with all current regulations and standards.

Contaminated packaging : Not applicable.

14. TRANSPORT INFORMATION

HS Code : 960810

15. REGULATORY INFORMATION

Regulations (Information of components)

Hazardous chemicals (OSHA HCS) : Titanium dioxide / Triethanolamine

EU labeling : Not restricted.

CANADA Hazardous Products Act - Ingredient Disclosure List
1%over Triethanolamine

Hazard and safety information

Products are manufactured in accordance with ISO 8124-3 " Safety of Toys - Part 3"

16. OTHER INFORMATION

This sheet completes the technical sheet of use but it doesn't replace it.
The information contained in this sheet are based knowledge of the products
at the data : (July 14, 2014). They are given quite sincerely.
Moreover the attention of the users is drawn on the risks possibly taken,
when a product is used for other utilization than these which it is intended.